

- in line 4, replace "in the "with -located within the walls of a-;
in line 10, replace "of the" with -the-;
in line 11, replace "Included among the performance features in" with
-In-;
- 5 in line 12, after "ISDN", insert -(Integrated Services Digital Network)-,
and after "are", insert-other features-;
 in line 13, after "received", insert -may be included-;
~~✓~~ in line 15, replace "wherein" with -in which-;
 in line 20, replace "In current" with -Current-, after "systems", insert
10 -may-, and after "example,", insert -realize-;
 in line 21, cancel "are realized";
 in line 22, after "units", insert -(S_{2M} accesses)-, and cancel "that are also
referred to as S_{2M}";
 in line 23, cancel "accesses";
15 in line 25, after "example", insert -,-; and
 in line 28, after "as", insert -a-.

On substitute page 2:

- 20 in line 1, replace "whereby" with -where-;
 in line 5, replace "whereby" with -where-;
 in line 8, after "example,", insert -an-;
 in line 10, replace "particulars—" with -information-the-;
 in line 11, replace "control means" with -controller-;
 in line 12, replace "protocol-suited" with -suited for a particular
25 protocol-;
 in line 21, after "example", insert -,-;
 in line 24, cancel ",,";
 in line 25, after "information", insert -(-; and
 in line 27, replace "thereto" with -to it-, and after "protocol", insert -)-.
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On substitute page 2a:

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- in line 3, after "as", insert -a-;
in line 7, after "example", insert -,-;
in line 8, replace "thereby ensues" with -occurs-;
in line 11, after "as", insert -an-; and
in line 13, replace "given" with -for-, and replace "Given" with -For-.

On page 3:

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in line 2, after "example", insert -,-;

above line 4, insert

~~--SUMMARY OF THE INVENTION--;~~

in line 4, replace "specifying" with -providing-;

in line 6, cancel "'''

replace line 7 with

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This object is inventively achieved with a network switching unit for a communication system, comprising

at least one data network line unit comprising a data network interface for a connection to a local data network;

a signaling unit for a connection to a control unit of the communication

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system;

a PCM line unit comprising a bidirectional time-division multiplex-oriented PCM interface for a connection to a switching network module of the communication system, the PCM line unit comprising 1) an assembly switching network module for switching payload connections conducted over the PCM interface; and 2) a DTMF recognition unit for an identification and analysis of

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control information received via the payload connections in a form of DTMF signals;

the arrangement further comprising:

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a conversion unit that is connected to the data network line unit, to the signaling unit and to the PCM line unit, the conversion unit comprising: 1) an

evaluation unit for routing information, that produces an evaluation result; 2) a switching unit for communicating data packets depending on the evaluation result; and 3) a conversion unit for a protocol-suited conversion of the data packets.--

- 5 in lines 8-9, cancel "comprised therein";
 in line 13, cancel ", respectively,", and replace "therein" with --within--;
 in line 15, cancel ", respectively,"; and
 in lines 27-28, cancel "comprised therein".

On substitute page 4:

replace lines 9-10 with

- 10 -- The inventive arrangement may be a subscriber line assembly of the communications system. Furthermore, the switching unit of the arrangement can be configured for communicating said data packets: a) between internal communication terminal devices connected to said communication system and said local network, and b) between external terminal devices that are connected to further interconnected communication systems forming a communication network and said local network. The communication network may be a digital and/or an analog communication network, and may be a line-bound and/or a radio communication network.
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- 15 furthermore, the switching unit of the arrangement can be configured for communicating said data packets: a) between internal communication terminal devices connected to said communication system and said local network, and b) between external terminal devices that are connected to further interconnected communication systems forming a communication network and said local network. The communication network may be a digital and/or an analog communication network, and may be a line-bound and/or a radio communication network.

- 20 A further embodiment of the inventive arrangement has a non-volatile memory in which a LAN identifier information identifying said data network interface within said local data network is stored; and a volatile memory comprising: 1) a first sub area in which a logical network identifier information for identifying said data network interface and communication terminal devices connected to the local data network (LAN) is stored; and 2) a second sub area in which a communication network identifier information for identifying said [the identification of the] network switching unit within said communication network.
- 25 In this embodiment said LAN identifier information is an interface-related LAN address whose presence is standard; said logical network identifier information is an Internet protocol address whose presence is standard; and said communication

network identifier information is a communication network telephone number.

The volatile memory may further comprise a third sub area in which further logical network identifier information of further local data networks are stored; and a fourth sub area in which further communication network identifier information are stored, a further logical network identifier information being respectively allocated to a further logical communication network identifier information.

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The inventive arrangement may further comprise a further conversion unit for communicating said data packets via said communication network used for converting said logical network identifier information into a communication network identifier information. It may also comprise a security unit for checking routing information communicated to said network switching unit in view of an admissibility for a communication connection between a source and destination device identified by an appertaining routing information, as well as a protocol unit for protected and/or transmission protocol-conforming communication of data packets dependent on a selected transmission protocol.

Other embodiments of the inventive arrangement can include an output unit for communicating stored messages to an external terminal device that are output in a form of an announcement and/or an optical display at said external terminal device, a fictitious terminal port by which a redirection to said fictitious terminal port is established for a call directed to an internal terminal device in a framework of a teleworking logon of an external terminal device for assuming a function of said internal terminal device. The inventive arrangement may also comprise at least one further fictitious terminal port in which a connection setup between an external terminal device and said further fictitious terminal port is provided in a framework of a call initiated from said external terminal device to a further terminal device or from said further terminal device to said external terminal device. The further terminal device may be an internal device or an external terminal device. -

30 in line 12, cancel ", respectively,";

- in line 13, replace "comm" with -communication-;
above line 16, insert
--BRIEF DESCRIPTION OF THE DRAWINGS --;
in line 17, replace "drawing" with -drawings-;
5 cancel line 18;
in line 19, after "Figure 1", insert -is a block diagram showing-;
in line 21, after "Figure 2", insert -is a block diagram showing-;
in line 23, after "Figure 3", insert -is a block diagram showing-;
above line 25, insert
10 --DESCRIPTION OF THE PREFERRED EMBODIMENTS--;
in line 26, replace "therein" with -within-;
in lines 27-28, cancel ", respectively,";
in line 29, cancel ",respectively,"; and
in line 31, replace "Further" with -Furthermore-.
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On substitute page 5:
replace line 2 with -terminals KA1...KAk-;
in line 3, cancel "terminals KA1,...KAk";
in line 4, after "-", insert -and are-;
in line 6, cancel "(integrated services digital network)";
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in line 7, after "as", insert -an-;
replace lines 8-9 with -ISDN-oriented D-channel with a transmission
rate of 64 kbit/s. The switching network module KN is connected, via the
switching terminal KAk, to a bidirectional,-;
replace lines 11-12 with -IGATE. The switching network module KN is
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respectively connected, via the further PCM terminals KA1, KA2, to a
bidirectional, time-division multiplex-oriented-;
in line 14, replace "Further" with -Furthermore-;
replace lines 17-18 with -terminal SAK. The control unit STE is
connected, via the further control terminals SA1,...SA3, first to an HDLC
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cont

interface HDLCS arranged at the network switching unit-;

in line 25, replace "processing means DV" with -processor DP-; and
in line 30, after "i.e.", insert -,-.

On substitute page 6:

- 5 in line 4, replace "an" with -a-;
 in line 8, replace "an" with -a-;
 in line 9, replace "an" with -a-, and replace "whereby" with -by which-;
 in line 12, replace "whereby" with -by which-;
 in line 14, replace "Further" with -Furthermore-;
10 in line 20, replace "served for communicating" with -communicates-;
 in line 22, replace "Further" with -Furthermore-;
 replace lines 23-24 with arranged at the network switching unit IGATE.

The signaling unit SE is connectable, via the HDLC interface HDLCS, to the control terminal SAE of the control unit STE of-;

- 15 in lines 30-31, cancel "or, respectively"; and
 in line 31, replace both instances of "or" with -,-.

On substitute page 7:

- 20 in line 5, after "i.e.", insert -,-;
 in line 7, cancel ", respectively,";
 in line 8, replace "dependent" with -, depending-;
 in line 9, replace "Further" with -Furthermore-, and replace "protocol-suited" with -in a protocol-suited manner-;
 in line 13, after "AE", insert -,-;
 in line 14, after "formed", insert -,-, and after "i.e.", insert -,-;
25 in line 18, cancel ", respectively,";
 in line 19, cancel ", respectively,", and cancel "i.e. an identification or";
 in line 20, replace "respectively, address" with -(one-, and after "worldwide", insert -)-;

in lines 22-23, cancel ", respectively,"; and
in lines 29-30, cancel ", respectively,".

On substitute page 8:

- 5 in line 11, replace "ALN" with -LAN-;
 in line 17, cancel "conceived"; and
 in line 30, after the second "(", insert -this-.

On substitute page 9:

- 10 in line 1, replace "Further" with -Furthermore-;
 in line 5, replace "said" with -this-;
 in line 9, after "i.e.", insert -,-;
 in line 12, cancel ", respectively,"
 in lines 13-14, cancel ", respectively,";
 in line 16, replace "said" with -this-;
 in line 19, cancel ", respectively,";
15 in line 20, replace "thereto" with -to it-;
 in line 21, cancel ", respectively,"; and
 in line 28, replace "Given" with -For-.

On substitute page 10:

- 20 in line 3, replace "in1,..., ink" with -rn1,...rnk-;
 in line 7, cancel ", respectively,";
 in line 9, replace "this being" with -that is-;
 in line 12, replace "shall be" with -is-;
 in line 13, replace "structogram" with -diagram-;
 in line 14, replace "structogram" with -diagram-;
25 in line 26, replace "Below, only" with -Only-, and cancel ",
 respectively,";
 in line 27, replace "shall be considered, i.e." with -are considered below,

i.e.,--;

in line 28, cancel ", respectively,"; and

in lines 29-30, replace "therein shall be" with --within are--.

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On substitute page 11:

in line 2, replace "being" with --is--, and replace "said" with --the--;

in line 3, cancel ", respectively,";

in line 4, after "i.e.", insert --,--;

in line 5, after "protocol", insert --four-byte--;

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in lines 5-6, replace ", i.e. it comprises four bytes" with --.--;

in line 6, replace "thereby" with --thus--;

in line 11, replace "thereto" with --to it--;

in line 16, replace "being" with --is--, and replace "said" with --the--;

in line 17, cancel ", respectively,";

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in line 22, replace "Further" with --Furthermore--;

in line 25, replace "Given data" with --Data--, and cancel "to be";

in line 28, cancel "these";

in line 29, before "source", insert --the--, and after the last "as", insert

--the--; and

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in line 31, replace "KNK-R" with --BW-R--.

On substitute page 12:

in line 7, cancel ", respectively,";

in line 8, replace "Given" with --For--;

in line 21, cancel "a";

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in line 22, replace "shall be explained" with --is explained below--; and

in line 27, cancel "a".

On page 13:

¶ in line 3, after "a", insert --a--;

in line 7, cancel "the network switching unit IGATE";
in line 9, cancel "[sic]";
in line 15, replace "PINA" with -PIN A-; and
in line 24, cancel ", respectively,".

5 On substitute page 14:

in lines 1-2, replace "u nit" with -unit-;
in line 20, replace "the log-on thereof" with -its log-on-;
in line 21, replace "ensues" with -occurs-;
in line 22, replace "Given" with -For-;
10 in line 24, replace "the log-on thereof" with -its logon-; and
 in line 30, replace "thereto" with -,-.

On substitute page 15:

in line 7, replace "DEV" with -DV-, and cancel "thereto-";
in line 17, cancel "thereto-";
15 in line 20, replace "PVX" with -PBX-;
 in line 23, replace "Given" with -For-- and
 in line 26, cancel ", ".

On substitute page 16:

in lines 7-8, replace "as a result whereof the" with -resulting in a-;
20 in line 9, cancel "arises";
 in line 12, replace "ensues" with -occurs-;
 in line 14, after "voice", insert -information-; and
 in line 21, replace "thereto" with -to this-.

On substitute page 17:

25 in line 5, replace ", this being" with -which is-;
 in line 10, after "example", insert -,-;

in lines 12-13, replace "merely comprised therein" with -simply-; and
in line 17, cancel "thereto-.

On substitute page 18:

- 5 in line 2, after "example", insert -,-;
 in line 3, after ")", insert -,-;
 in line 9, replace "ensues" with -takes place-;
 in line 17, cancel ",,";
 in line 18, after "i.e.", insert -,-; and
 in line 31, cancel ", respectively,".

10 **On substitute page 19:**

- in line 3, cancel the first "-";
 in lines 13-14, replace "this corresponds" with -corresponding-; and
 in line 22, cancel ", respectively,".

On substitute page 20:

- 15 in line 1, replace "wherein" with -in which-;
 in line 5, replace "thereat" with -at it-, after "example", insert -,-, and
 replace "Further" with -Furthermore-;
 in line 7, after "SMS", insert -(short message service)-, and cancel
 "(short message service)";
- 20 in line 10, after "example", insert -,-;
 in line 14, cancel ", respectively,";
 in line 15, cancel ",,";
 in line 23, replace "as a result whereof" with -resulting in-;
 in line 25, cancel "arises"; and
 in line 26, replace "Given" with -For-.

On substitute page 21, in line 29, after "example", insert -,-.